

What is claimed is:

[Claim 1] Method to simultaneously detect different antibodies and antigen via immunoenzymatic test and ELISA (*Enzyme Linked ImmunoSorbent Assay*), characterized by the fact that the solid phase on which the immunocomplex forms is constituted by small cylinders disposed on a rod; that the small cylinders placed on the rod are sensitized with different reagent, immersing them into the microwells of a microplate; that the small cylinders of each rod once sensitized, said rod is inserted into a container with the sample to be analyzed; that once the incubation period for the sample in the container has terminated, each rod is placed on a support; that the small cylinders of each rod on the support are cleaned; that the small cylinders of each rod on the support are inserted into the microwells of a microplate, containing specific conjugates at a suitable temperature for a period of incubation; that, once the incubation terminates, the small cylinders on the support are lifted from the microplate and cleaned; that the small cylinders from each rod on the support are inserted into the microwells of a microplate, containing chromogenous sub layer at a suitable temperature for a period of incubation; that the small cylinders of each rod on the support are extracted and the results are read.

[Claim 2] Method to simultaneously detect different antibodies and antigens via the immunoenzymatic tests and ELISA (*Enzyme Linked ImmunoSorbent Assay*) according to claim 1, characterized by the fact that container for the sample to be analyzed is constituted by a microplate that has not been sensitized and that on such a microplate the grill, furnished with rods bearing the small cylinders is placed. For a suitable incubation period at the necessary temperature.

[Claim 3] Device to simultaneously detect different antibodies and antigens via immunoenzymatic tests and ELISA (*Enzyme Linked ImmunoSorbent Assay*) constituted by small adsorbent cylinders on which the immunocomplexes form, characterized by the fact that said small adsorbent cylinders are blocked at a modular distance on a rod; that said rod carries a label to identify the sample under examination; that said rod bearing the small cylinders is placed onto a support; that said support with said rod with the small cylinders is positioned above a microplate furnished with microwells placed at modular distances, that said small cylinders projecting from the rod held by the support are placed at the same modular distance at which the microwells are placed; that said small cylinders, when the support is placed above the microplate, penetrate into

the microwells filled with the specific conjugates and later with the chromogenous compound.

[Claim 4] Device to simultaneously detect different antibodies and antigens via immunoenzymatic tests and ELISA (*Enzyme Linked ImmunoSorbent Assay*) according to claim 3 characterized by the fact that said support is a grill formed of a least two parallel horizontal sides and by at least two vertical parallel sides, that said grill has a handle for transport and lifting, that on said horizontal and vertical sides there are notches for situating the rods, and that on said grill there is a colored button that indicates the direction of loading.

[Claim 5] Device to simultaneously detect different antibodies and antigens via immunoenzymatic tests and ELISA (*Enzyme Linked ImmunoSorbent Assay*) according to claim 4 characterized by the fact that said grill received twelve rods each with eight small cylinders, that said grill is positioned onto a microplate with ninety-six microwells positioned in twelve columns and eight lines at the modular distance of the small cylinders supported by the grill; that the small cylinders penetrate into said microwells present on said microplate.

[Claim 6] Device to simultaneously detect different antibodies and antigens via immunoenzymatic tests and ELISA (*Enzyme Linked ImmunoSorbent Assay*) according to claim 4 characterized by the fact that said grill receives eight rods each with 12 small cylinders, that said grill is placed onto microplate with ninety-six microwells arranged in eight columns and twelve lines at the modular distance of the small cylinders supported by the grill; that the small cylinders penetrate into said microwells present on said microplate.

[Claim 7] Device to simultaneously detect different antibodies and antigens via immunoenzymatic tests and ELISA (*Enzyme Linked ImmunoSorbent Assay*) according to claim 4 characterized by the fact that said grill receives twenty four rods each with four small cylinders, that said rods are arranged symmetrically on said grill; that said grill is positioned on a microplate with ninety-six microwells arranged in twelve columns and eight lines at the modular distance of the small cylinders supported by the grill; that the small cylinders penetrate into the said microwells.

[Claim 8] Device to simultaneously detect different antibodies and antigens via immunoenzymatic test and ELISA (*Enzyme Linked ImmunoSorbent Assay*) according to claim 4 characterized by the fact that said grill receives sixteen rods each with six small cylinders, that said rods are arranged symmetrically on said grill; that said grill is placed onto a

microplate with ninety-six microwells arranged in twelve columns and eight lines at the modular distance of the small cylinders supported by the grill' that the small cylinders penetrate said microwells present on said microplate.

[Claim 9] Device to simultaneously detect different antibodies and antigens via immunoenzymatic tests and ELISA (*Enzyme Linked ImmunoSorbent Assay*) according to claim 3 characterized by the fact that said rod carries small cylinders, that said microplate is a microstrip in which microwells are present; that said small cylinders penetrate into said microwells present in the microstrip; that said microwells are distinguished by small colored squares, the colors of which correspond to those of the small cylinders of the rod.

[Claim 10] Device to simultaneously detect different antibodies and antigens via immunoenzymatic tests and ELISA (*Enzyme Linked ImmunoSorbent Assay*) according to claim 3 characterized by the fact that said rod bearing the small cylinders has a place to position the card bearing the identification code of the sample, and take from which the card can be inserted into a specific holder on the cover or lid of the container for samples and that said cover or lid also has an external site for the card identifying the sample.

[Claim 11] Device to simultaneously detect different antibodies and antigens via immunoenzymatic tests and ELISA (*Enzyme Linked ImmunoSorbent Assay*) according to claims 3 and 9 characterized by the fact that the rods, the small cylinders, the containers for samples and the microstrips are constructed entirely for the carrying out of the test in the field or in non-specialist surgeries or laboratories.